



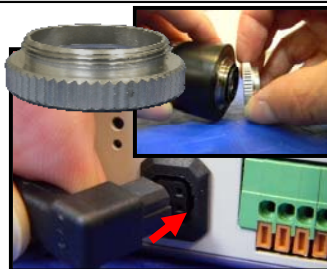
HD Series Fixed Camera Quick Install Guide

A. Lens Mounting*

- 1.) Remove the plastic insert covering the lens mount.

Tip: Do not touch the sensor or allow dust to accumulate in the open lens-mount. .

- 2.) If you are using a C-mount lens, screw a 5mm adapter ring to convert C-Mount to CS-Mount.
- 3.) Align the lens threads into the lens mount and screw on the lens.
- 4.) If your lens has a DC auto-iris, plug the auto-iris cable from the lens assembly into the Auto IRIS control port of the camera.



B. Camera Initial Configuration

- 1.) Plug the CAT5 cable into the camera Ethernet port and if the network doesn't use PoE 802.3af, wire a properly rated AC 24V/DC 12V power supply to the terminal-block plug and plug it into the power terminal. See the *Camera Connections* image on this page for polarity details.

Note: The camera can be connected to a PC for bench installation via an Ethernet cross-cable.

Note: The camera default IP Address is 192.168.0.250 and default subnet mask is 255.255.255.0.

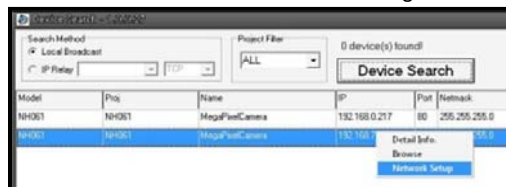
Tip: A camera setup adapter, such as *Veracity Pinpoint*, can be used to connect a laptop directly to the camera when using POE.

- 2.) To set the camera IP address, do one of the following:

- Copy and run the DeviceSearch.exe from the included CD.
- From the DVTel Latitude Sidebar, run the Unified Configurator by selecting **Applications ► Device Configuration Tool** and then on the Unified Configurator screen, click **DVTel HD Series**.

- 3.) In the DeviceSearch application, click **Device Search** and do the following:

- a.) In the search results, click on the camera to select it.
- b.) Right-click and select from the shortcut menu **Network Setup**.
- c.) In the dialog that appears, select **Static IP**.
- d.) Enter the **IP Address**, **Gateway** and **Netmask** (network mask) as needed and click **OK**.



- 4.) Disconnect the Ethernet cable and if you are using a power supply, turn off the power to the power supply and unplug it. The camera is ready for deployment in a site installation (mounting).

(*lens sold separately)

C. Site Installation

Warning: The HD Series Fixed Camera must be kept in a clean and dry indoor environment or in a protective camera housing. Operating temperature should be maintained within -10°C ~ 50°C (14° ~ 122°F). Operating humidity 10% to 90% (non-condensing). The camera should be kept dry, free from water condensation, dust, dirt, and smoke.

- 1.) Do the following:

► For Indoor installations (no housing):

- a.) Install on the ceiling/wall/ flat surface, a *security camera wall mount bracket* stand that is sturdy enough to hold the camera in a fixed position for the field of view required.
- b.) Screw the bracket/stand to the mounting socket on the top or bottom of the camera.

► For Indoor/Outdoor installations using a typical protective camera housing:

For outdoor installation, the camera must be installed in a protective housing such as a DVTel CF-X200-01 camera housing.

- Follow the manufacturer's housing installation instructions



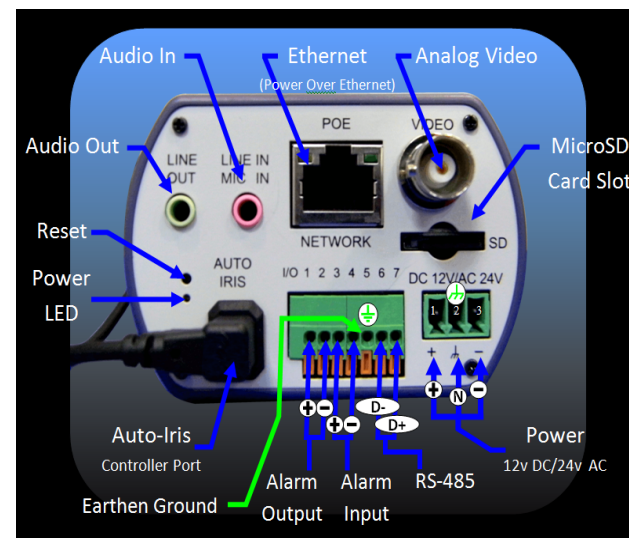
Caution: Follow the electrical and safety codes as applicable for where the camera is being installed.

- 2.) Connect the cables and wiring to the camera (see picture below):

- a.) Plug the CAT5 cable into the camera Ethernet port and if needed wire a properly rate power supply into the power terminal-block plug and insert it into the power terminal block.

- b.) If applicable, wire the Alarm In, Alarm Out, Audio In and Audio Out terminal blocks to external devices.

- c.) Connect the other end of the CAT5 cable to the network.



Camera Connections

D. Adjusting and Framing Up the Camera View

- 1.) In the DeviceSearch application, click **Device Search** and in the results click to select the camera, right-click to open the shortcut menu and select **Browse**.
-OR-
Enter the camera's IP as a URL in a web browser.
- 2.) When the Internet browser connects to the camera and prompts for login, do the following:
 - Log in using the default user name "**Admin**" and password "**1234**".
 - Allow the ActiveX to download and choose to install the DVTel Web Player.

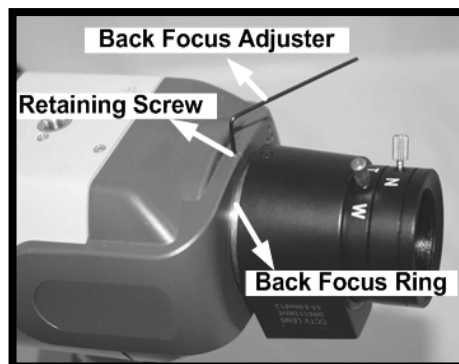
Tip: To view greater image detail for more accurate high-definition focusing, on the Web Base Viewer homepage click  and use the full screen view for checking adjustments.

IMPORTANT: Best focusing results can be achieved when the lens Iris is fully open (such as at night in low light). This prevents loss of sharpness in poorer lit scenes.

To achieve this during the day, in the *Web Base Viewer* go to the **Camera ▶ Exposure** screen and select from the **Exposure Setting** menu **Auto-shutter** mode. Save changes and complete the focusing steps. When finished, restore your Exposure settings as needed.

- 3.) Adjust the pan and tilt by loosening the tension screw on the bracket/stand or housing arm and move the camera so that the field of view is optimized for your scene and retighten the tension bolt to hold the camera in place.
- 4.) On the camera, adjust the zoom and focus using the zoom ring and focus ring on the camera for your scene. If you have a manual Iris, also adjust the iris ring on your lens.
- 5.) If the focus cannot be achieved within the zoom range, you may need to adjust the back-focusing as follows:
 - a.) View an object at least 75 feet (23 meters) away. For greater telephoto capable lenses, the object can be located further away. If the field of view is less than 75 feet, the object should be as distant as possible.

- b.) Adjust the zoom to the extreme telephoto position.
- c.) Adjust the focus to the best possible focused image.
- d.) If the image is not focused (sharp), loosen the back focus ring's retaining screw with the supplied hex tool (if not already loose) and rotate the lens mount to adjust the back focus as needed to achieve a sharp in-focus picture.



- e.) Zoom out to wide-angle position (for close FOV) and attempt to focus on a close object (eg. 1-3m.). If clear focus can be achieved, go to step 6.).
 - f.) Repeat steps a. - e. until focus is optimal throughout the zoom range.
 - g.) Tighten the back focus ring's retaining screw to secure the ring in place.
- 6.) Return the camera's Exposure Setting to *Auto Iris* if this was temporarily changed to *Auto-shutter* mode during focusing.

E. Attach in Latitude



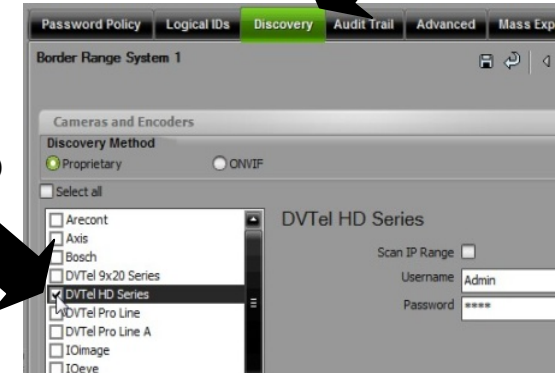
Lookup the camera's firmware version in the camera's web application **System ▶ Software version** screen and verify it is compatible with your Latitude version. A compatible firmware list and upgrade instructions can be found in the Latitude Release Notes or obtained at www.dvtel.com.

- 1.) In the Latitude application on the Sidebar, click **Physical View**,
- 2.) On the Navigation Tree click the  system name and then select the **Discovery** tab and do the following:

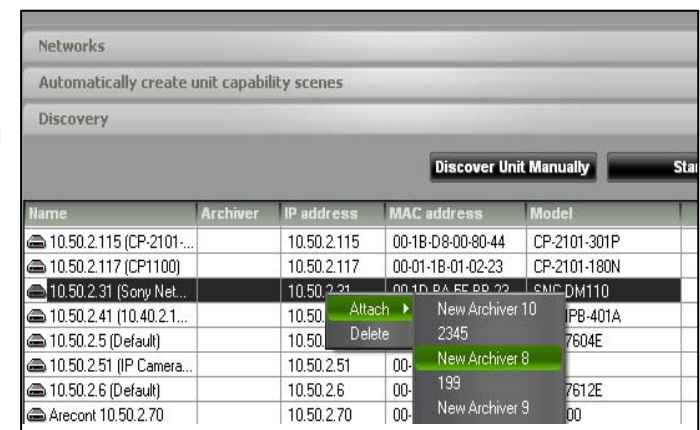
- Under *Cameras and Encoders* ensure **DVTel HD Series** is selected and click **Start**.

The camera details appear in the Discovery table.
(Does not search trans-VLAN.)

- If the camera wasn't found after running **Start**, click **Discover Unit Manually** and in the dialog that appears, enter the Camera IP, select type **DVTel HD Series** and click **OK**.



- 3.) In the Discovery table, right click on the camera and choose **Attach** and then click the **Archiver name** to attach to.
- 4.) When finished, click .



Name	Archiver	IP address	MAC address	Model
10.50.2.115 (CP-2101-...)		10.50.2.115	00-1B-D8-00-80-44	CP-2101-301P
10.50.2.117 (CP1100)		10.50.2.117	00-01-1B-01-02-23	CP-2101-180N
10.50.2.31 (Sony Net...)		10.50.2.31	00-1D-BA-EE-00-22	SNCDM110
10.50.2.41 (10.40.2.1...)		10.50		10.50.2.41
10.50.2.5 (Default)		10.50		7604E
10.50.2.51 (IP Camera...)		10.50.2.51	00-19-99-00-00-00	7612E
10.50.2.6 (Default)		10.50.2.6	00-19-99-00-00-00	7612E
Arecont 10.50.2.70		10.50.2.70	00-19-99-00-00-00	7612E